Amendments to the Specification

Please replace the entire section entitled "2. <u>References</u>" with the following amended section:

2. <u>References</u>

The following documents are all incorporated by reference herein.

T. Kuhme, Adaptive Action Prompting - A complementary aid to support task-oriented interaction in explorative user interfaces. Report #GIT-GVU-93-19, Georgia Institute of Technology, Dept. of Computer Science, Graphics, Visualization, and Usability Center, 1993.

L. Balint, Adaptive Dynamic Menu System. Poster Abstracts HCI International '89, Boston, September 18- 22, 1989.

A. Cypher. Eager: Programming Repetitive Tasks By Example. Proc. CHI '91, pp. 33-39, 1991.

R. Beale, A. Wood, Agent-based interaction, Proceedings of HCI'94 Glasgow, 1995, pp. 239-245.

A. Wood, "Desktop Agents", School of Computer Science, University of Birmingham, B.Sc. Dissertation, 1991.

Clarke, Smyth, "A Cooperative Computer Based on the Principles of Human Cooperation", International Journal of Man-Machine Studies 38, pp.3-22, 1993.

N. Eisenger, N. Elshiewy, MADMAN - Multi-Agent Diary Manager, ESRC-92-7i (Economic & Social Resource Council) Internal Report, 1992.

T. Oren, G. Salomon, K. Kreitman, A. Don, "Guides: Characterizing the Interface", in The Art of Human-Computer Interface Design, Brenda Laurel (ed.), 1990 (pp.367-381).

F. Menczer, R. K. Belew, Adaptive Information Agents in Distributed Textual Environments, Proceedings of the Second International Conference on Autonomous Agents (Agents '98), Minneapolis, MN, May 1998.

P. Brazdil, M. Gams, S. Sian, L.Torgo, W. van de Velde, Learning in Distributed Systems and Multi-Agent Environments, *Machine Learning: EWSL-91 (European Working Session on Learning), Y. Kodratoff (Ed.), Lecture Notes in Artificial Intelligence*, Springer-Verlag, 1991. http://www.ncc.up.pt/~ltorgo/Papers/LDSME/LDSME-Contents.html (visited 1998).

B. Hodjat, M. Amamiya, The Self-organizing symbiotic agent, http://www_al.is.kyushu-u.ac.jp/~bobby/1stpaper.htm, 1998.

P. R. Cohen, A. Cheyer, M. Wang, S. C. Baeg, OAA: An Open Agent Architecture, AAAI Spring Symposium, 1994, http://www.ai.sri.com/~cheyer/papers/aaai/adam-agent.html (visited 1998).

S. Franklin, A. Graesser, Is it an Agent or just a Program? A Taxonomy for Autonomous Agents, in: Proceedings of the Third International Workshop on Agents Theories, Architectures, and Languages, Springer-Verlag,1996; http://www.msci.memphis.edu/~Franklin/AgentProg.html (visited 1998).

B. Hayes-Roth, K. Pfleger, P. Lalanda, P. Morignot, M. Balabanovic, A domain-specific Software Architecture for adaptive intelligent systems, IEEE Transactions on Software Engineering, April 1995, pp. 288-301.

Y. Shoham, Agent-oriented Programming, Artificial Intelligence, Vol. 60, No. 1, pages 51-92, 1993.

M. R. Genesereth, S. P. Ketchpel, Software Agents, Communications of the ACM, Vol. 37, No. 7, July 1994, pp. 48-53, 147.

A. Cheyer, L. Julia, Multimodal Maps: An Agent-based Approach, http://www.ai.sri.com/~cheyer/ papers/mmap/mmap.html, 1996.

T. Khedro, M. Genesereth, The federation architecture for interoperable agent-based concurrent engineering systems. In International Journal on Concurrent Engineering, Research and Applications, Vol. 2, pages 125-131, 1994.

P. Brazdil and S. Muggleton: "Learning to Relate Terms in Multiple Agent Environment", Proceedings of Machine Learning - EWSL-91, pp. 424-439, Springer-Verlag, 1991.

S. Cranefield, M. Purvis, An agent-based architecture for software tool coordination, in Proceedings of the Workshop on Theoretical and Practical Foundations of Intelligent Agents, Springer, 1996.

T. Finin, J. Weber, G. Wiederhold, M. Genesereth, R. Fritzson, D. McKay, J. McGuire, S. Shapiro, C. Beck, Specification of the KQML Agent-Communication

Language, 1993 (hereinafter "KQML 1993"), ~~http://www.cs.umbc.edu/~~

~~kqml/kqmlspec/spec.html~~ (visited 1998).

Yannis Labrou and Tim Finin, A Proposal for a new KQML Specification, TR

CS-97-03, February 1997, Computer Science and Electrical Engineering Department,

University of Maryland Baltimore County, ~~http://www.cs.~~

~~umbc.edu/~jklabrou/publications/tr9703.pdf~~.

R.R. Korfhage, Information Storage and Retrieval, John Wiley & Sons, June 1997.

M. Mitchell. An Introduction to Genetic Algorithms. MIT Press, 1996.

D.C. Smith, A. Cypher, J. Spohrer, KidSim: Programming Agents without a

programming language, Communications of the ACM, Vol. 37, No. 7, pages 55-67, 1994.

M. Amamiya, *et al.*, Coordinated Morphological and Syntactic Analysis of

Japanese Language, Int. Joint Conf. On Artificial Intelligence 90, pp. 1012-1017, 1990.

M. Amamiya, T. Mine, An $O(n)$ time and $O(n^2)$ processors parallel parsing

algorithm for context-free grammars, in *H. Jaakkola et al. eds., Advances in Information*

Modelling and Knowledge Bases, pp. 351-367, IOS Press, 1991.

N. A. Baas. Emergence, Hierarchies, and Hyper-structures. *C.G. Langton ed.,*

Artificial Life III. Addison Wesley, 1994.

N. A. Baas. Hyper-structures as Tools in Nanotechnology and Nanobiology. *S.*

Rasmussen, S. R. Hameroff, J. Tuzinki, P. A. Hansson ed.'s, Towards a Nanobiology:

Coherent and Emergent Phenomena in Bimolecular Systems. MIT Press, 1995.

J. M. Bradshaw. KaoS: An Open Agent Architecture Supporting Reuse, Interoperability, and Extensibility. *Proceedings of Tenth Knowledge Acquisition for Knowledge-Based Systems Workshop.* ~~http://ksi.cpsc. ucalgary.ca/KAW/ KAW96/KAW96Proc.html~~, 1996.

D. Bruschi, G. Pighizzini, A Parallel Version of Earley's Algorithm, Tech Rep. 114-94, Dipartimento di Scienze dell'Informazione, Univ. of Milan, 1994.

D. Cockburn and N. R. Jennings. ARCHON: A Distributed Artificial Intelligence System for Industrial Applications. *G. M. P. O'Hare, N. R. Jennings, ed.'s, Foundations of Distributed Artificial Intelligence.* pp. 319-344. John Wiley & Sons, 1996.

J. E. Hopcroft, J. D. Ullman, Formal Languages and Their Relation to Automata, Addison-Wesley, 1969.

V. R. Lesser. Reflections on the Nature of Multi-Agent Coordination and its implications for an Agent Architecture, *Autonomous Agents and Multi-Agent Systems.* pp. 89-111, Kluwer Academic Publishers, 1, 1998.

A. G, Manousopoulou, G. Papakonstantinou, P. Tsanakas, A chart-like parser for context sensitive grammars, *Proceedings of the 1st workshop on tabulation in parsing and deduction (TAPD '98),* pp. 89 – 95, Paris, France, 1998.

D. Martin and D. Moran. Building distributed software systems with the open agent architecture. *Proc. of the Third International Conference on the Practical Application of Intelligent Agents and Multi-Agent Technology.* The Practical Application Company Ltd., Blackpool, Lancashire, UK, March 1998.